(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 28 July 2005 (28.07.2005)

PCT

(10) International Publication Number WO 2005/067388 A3

(51) International Patent Classification7: A61K 51/00, 49/00; C07F 5/00

(21) International Application Number:

PCT/IL2005/000055

(22) International Filing Date: 16 January 2005 (16.01.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/536,493 15 January 2004 (15.01.2004) US 60/537,289 20 January 2004 (20.01.2004) US 10/799,586 15 March 2004 (15.03.2004) US

(71) Applicant (for all designated States except US): NST NEUROSURVIVAL TECHNOLOGIES LTD. [IL/IL]; 11 Odem Street, Kiryat Matalon, 49170 Petah-Tikva (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ZIV, Ilan [IL/IL]; 5 Shezaf Street, 44418 Kfar Saba (IL). SHIRVAN, Anat [IL/IL]; 47 Tel Chai Street, 46301 Herzliya (IL).

(74) Agent: REINHOLD COHN AND PARTNERS; P.O.Box 4060, 61040 Tel Aviv (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
 1 September 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

.

(54) Title: PERTURBED MEMBRANE-BINDING COMPOUNDS AND METHODS OF USING THE SAME

(57) Abstract: The present invention relates to compounds that selectively bind to cells undergoing perturbations and alterations of their normal plasma membrane organization, such as cells undergoing apoptosis or activated platelets. The invention further provides methods for utilizing said compounds in medical practice, for diagnostic and therapeutic purposes.